Camera Fact Sheet – Panasonic DVCPRO HD

Tested Panasonic cameras

The following Panasonic devices have been tested by Avid®:

- Panasonic AG-HVX200P/E
- Panasonic AJ-SPD850
- Panasonic AJ-PCS060
- Panasonic AJ-HD1200AP
- Panasonic AJ-HD130
- Panasonic AJ-HD150
- Panasonic AJ-HD3700
- Panasonic AJ-HD1400
- Panasonic AJ-HD1700
- Panasonic AJ-PCD10
- Panasonic AJ-PCD20

Compatible Avid products

Panasonic's HD cameras are supported by the following Avid editing systems:

- Media Composer® software
- Media Composer Adrenaline™
- NewsCutter® Adrenaline
- NewsCutter XP software
- Avid Xpress® Pro software
- Avid Symphony™ Nitris® (selected workflows)
- Avid DS Nitris (selected workflows)

For updated information, go to: www.avid.com > support and training > knowledge base > device lists

Avid workflow benefits

- **Native DVCPRO HD capture and editing** – Start editing right away without any transcoding, digitizing, or file conversion delays.
- **Real-time pull-down** – Real-time support for both normal and advanced pull-down eliminates time consuming intermediate steps.
- **Open timeline** – P2 formats can be mixed in real time in the same timeline with SD or HD media that uses the same time base.
- **Native MXF support** – Import metadata automatically into the Avid bin for fast access and trouble-free media management.
- **Auto import of P2 metadata** – Information such as Journalist Name, Production Number, Scene Number, Take Number and Project Name all appear automatically in the Avid bin.
- **Variable frame rate support** – Take advantage pf Panasonic's wide range of frame rates and get beautiful slow motion effects without having to render.

Key P2 features supported

- Native MXF support
- Direct edit of P2 Media from cards or hard drives
- P2 store support

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Key P2 features supported

The following information details the formats supported with the latest versions of Avid Xpress® Pro, Avid® Media Composer family, Avid NewsCutter family and Avid Symphony Nitris. Please note that Avid Symphony Nitris does not offer real-time playback in these formats.

FORMAT	RESOLUTION	AVID PROJECT TYPE (Native)	AVID PROJECT TYPE (Alternate)
480i/24pA	DV25	NONE	NTSC 30i
480i/24P	DV25	NONE	NTSC 30i
480i/30P	DV25	NONE	NTSC 30i
480i/60	DV25	NTSC 30i	NONE
576i/25	DV25	PAL 25i	NONE
576P/25	DV25	PAL 25p	NONE
480i/24pA	DVCPRO (25)	NONE	NTSC 30i
480i/24P	DVCPRO (25)	NONE	NTSC 30i
576i/25	DVCPRO (25)	PAL 25i	NONE
576P/25	DVCPRO (25)	PAL 25p	NONE
480i/30P	DVCPRO (25)	NONE	NTSC 30i
480i/60	DVCPRO (25)	NTSC 30i	NONE
480i/24Pa	DVCPRO (50)	NONE	NTSC 30i
480i/24P	DVCPRO (50)	NONE	NTSC 30i
576i/25	DVCPRO (50)	PAL 25i	NONE
576P/25	DVCPRO (50)	PAL 25p	NONE
480i/30P	DVCPRO (50)	NONE	NTSC 30i
480i/60	DVCPRO (50)	NTSC 30i	NONE
720P/24PN	DVCPRO HD (100)	720p/23.976	1080p/23.976
720P/24P	DVCPRO HD (100)	NONE	720p/59.94
720P/25PN	DVCPRO HD (100)	NONE	1080p/25
720P/30P	DVCPRO HD (100)	NONE	720p/59.94
720P/30PN	DVCPRO HD (100)	720p/29.97	1080i/59.94
720P/50	DVCPRO HD (100)	720p/50	NONE
720P/60P	DVCPRO HD (100)	720p/59.94	NONE
1080i/24P	DVCPRO HD (100)	NONE	1080i/59.94
1080i/24PA	DVCPRO HD (100)	NONE	1080i/59.94
1080i/30P	DVCPRO HD (100)	NONE	1080i/59.94
1080i/50	DVCPRO HD (100)	1080i/50	NONE
1080i/60	DVCPRO HD (100)	1080i/59.94	NONE

Most current formats chart always posted to www.avid.com/P2Formats.

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Sample workflow

- *Edit DVCPRO HD from P2 Media*
- *Edit on Media Composer at 1080i/59.94*
- *Output back to DVCPRO HD deck via 1394*

Assume HD footage shot in 1080i/60i mode for the following example:

1. Make sure the Panasonic P2 drivers are installed on the editing system.
2. Connect the camera via a USB cable to the PC (note: if using a Mac, then Firewire is the preferred connection)
3. The camera's media switch must be set to P2, which will cause the P2 card(s) to mount as a drive(s). See camera User Manual for more details.
4. Start the Avid application. Create a 1080i 59.94 project

   (if necessary, select File> Mount all and/or File>Load Media Database to recognize the P2 card(s)added since starting the application.
5. To play media directly from the P2 card(s), select "File > Import P2 > Clips to Bin"
   a. This will import clips directly to your bin although media will stay on the cards/drives.
   b. Double-click the clip and play in a pop-up window or in the source monitor.
   c. The clips are now playable/editable directly from the P2 device
6. To copy P2 files to a local or networked media drive:
   a. Select the clips you wish to import media for in the bin.
   b. Select File > Import P2 > Media.
   c. The application imports the media to your system.
7. Edit the DVCPRO HD footage
   a. You can mix footage of the same frame rate with SD and/or Avid DNxHD®-based footage of the same frame rate and frame structure (progressive or interlaced) in real time on the Avid timeline.
   b. Variable Frame Rate (VFR) workflow example:
      i. Footage recorded at 720p 60 on the camera and played back in the 720p 23.976 Avid project will result in a smooth 2.5x slow motion effect. Please refer to camera's User Manual for directions on shooting in VFR mode.
8. Output Options
   a. "Writeback" to P2 card media directly with a compatible P2 device.
      i. Select Output Menu > Export to Device > P2…"
      ii. Set the export settings as desired
      iii. Click save

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